

Patent
TH-1599-04 (US)
RST:SWT

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Rachael Steigel
Date: 28 June 2005

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of)
RONALD M. BASS ET AL.)
Serial No. 10/689,470) Group Art Unit: 3672
Filed October 20, 2003) Examiner: NA
TOROIDAL CHOKE INDUCTOR FOR WIRELESS) Date: May 2, 2005
COMMUNICATION AND CONTROL)

COMMISSIONER FOR PATENTS

Alexandria, VA 22313-1450

Sir:

FEE AND INFORMATION DISCLOSURE STATEMENT UNDER 37 CFR 1.56 AND 1.97

It is respectfully requested that the documents listed on the attached Form PTO-1449 be considered by the Patent and Trademark Office in the above-entitled application and made of record therein. Full text copies of the relevant documents are enclosed.

For a foreign language document or documents, an English language translation is provided where it is readily available to Applicants' attorney. If no translation is available, an English language counterpart, where available, is provided or an English language abstract, where available, is provided.

The Examiner is requested to indicate consideration of this art on the attached PTO-1449 (Modified) by initialling next to each item submitted by the applicant.

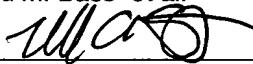
FEE

The Commissioner is hereby authorized to charge to Deposit Account No. 19-1800, any fee associated with the filing of this Information Disclosure Statement.

Respectfully submitted,

Ronald M. Bass et al.

By


Patent Agent, Rachael Steigel
Registration No. 54,469
(713) 241-1842

P.O. Box 2463
Houston, Texas 77252-2463

<p style="text-align: center;">PCT/US05/1449 (Modified)</p> <p style="text-align: center;">JUN 3 0 2005 ST. OF INFORMATION PROVIDED BY APPLICANT</p> <p style="text-align: center;">(Use several sheets if necessary)</p>			ATTY. DOCKET NO. TH-1599 04 (US)		APPLICATION NUMBER 10/689,470		
			APPLICANT Bass et al				
			FILING DATE 10/20/03		GROUP ART UNIT 3672		
REFERENCE DESIGNATION			U.S. PATENT DOCUMENTS				
Examiner Initial		Document No.	Date	Patentee	Class	Subclass	Filing Date if Appropriate
	AA	5,031,697	7/16/91	Wellington et al.	166	250	
	AB	6,089,322	7/18/00	Kelley et al.	166	370	
	AC	6,429,784 B1	8/6/02	Beique et al.	340	853.2	
	AD	6,633,164 B2	10/14/03	Vinegar et al.	324	355	
	AE	6,662,875 B2	12/16/03	Bass et al.	166	369	
	AF	6,420,976 B1	7/16/02	Baggs et al.	340	853.3	
	AK	5,942,990	8/24/99	Smith et al.	340	853.7	
	AJ	6,747,569 B2	6/8/04	Hill et al.	340	855.8	
	AK	6,445,307 B1	9/3/02	Rassi et al.	340	854.6	
	AL	6,348,876 B1	2/19/02	Wei et al.	340	854.9	
	AM	2,083,321	6/8/37	Dunn et al.	106	34	
	AN	5,576,703	11/19/96	MacLeod et al.	340	854.4	
	AO	5,493,288	2/20/96	Henneuse	340	854.4	
	AP						
FOREIGN PATENT DOCUMENTS							
		Document No.	Date	Country	Class	Subclass	Translation Yes No
	AQ	99/37044	22/7/99	WO	HO4B	13/02	X
	AR	0 964,134 B1	27/08/03	Ep	E21B	47/12	X
OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)							
	AU	Otis Engineering, Field Development, Now Produce Crude with Viscosity no Higher Than This Using Otis Heavy Crude Lift System					
EXAMINER			DATE CONSIDERED				

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Examiner Initial		Document No.	Date	Patentee	Class	Subclass	Filing Date if Appropriate
	BA	2003/0056952 A1	3/27/03	Stegemeier et al.	166	250.12	
	BB	2003/0086652 A1	5/8/03	Boudreau et al.	385	49	
	BC	5,467,083	11/14/95	McDonald et al.	340	854.6	
	BD	4,852,648	8/1/89	Akkerman et al.	166	66.4	
	BE	6,633,236 B2	10/14/03	Vinegar et al.	340	854.4	
	BF	2003/0131991 A1	7/17/03	Hartog et al.	166	250.12	
	BK	6,349,766 B1	2/26/02	Bussear et al.	166	113	
	BL	4,793,414	12/27/88	Nguyen et al.	166	252	
	BM	4,771,635	9/20/88	Trevillion	73	155	
	BN	5,396,232	3/7/95	Mathieu et al.	340	854.5	
	BO	6,588,505 B2	7/8/03	Beck et al.	166	250.17	
	BP	2002/0017387 A1	2/14/02	Ringgenberg et al.	166	250.17	
	BQ	2001/0002621 A1	6/7/01	Vaynshteyn et al.	166	387	
	BR	5,291,947	3/8/94	Stracke	166	187	

FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Subclass	Translation Yes No
	BT						
	BV						

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

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Examiner Initial		Document No.	Date	Patentee	Class	Subclass	Filing Date if Appropriate
	CA	2003/0047317	3/13/03	Powers	166	373	
	CB	6,352,109 B1	3/5/02	Buckman, Sr.	166	250.03	
	CC	6,443,228 B1	9/3/02	Aronstam et al.	166	250.11	
	CD	4,350,205	9/21/82	Goldschild et al.	166	375	
	CE	6,464,004 B1	10/15/02	Crawford et al.	166	250.01	
	CF	3,465,273	9/2/69	Brock	336	62	
	CG	6,443,228 B1	9/3/02	Aronstam et al.	166	250.11	
	CH	4,087,781	5/2/78	Grossi et al.	340	18	
	CI	5,995,020	11/30/99	Owens et al.	340	854.9	
	CJ	5,887,657	3/30/99	Bussear et al.	166	336	
	CK	4,648,471	3/10/87	Bordon	175	4.55	
	CL	4,839,644	6/13/89	Safinya et al.	340	854	
C M		5,130,706	7/14/92	Van Steenwyk	340	854.6	
CN		5,467,083	11/14/95	McDonald et al.	340	854.6	
CO		5,574,374	11/12/96	Thompson et al.	324	338	

FOREIGN PATENT DOCUMENTS						
		Document No.	Date	Country	Class	Subclass
	CR					

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)						
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Examiner Initial	Document No.	Date	Patentee	Class	Subclass	Filing Date if Appropriate	
	AA 3,793,632	2/19/74	Still	340	18		
	AB 4,087,781	5/2/78	Grossi et al.	340	18		
	AC 4,630,243	12/16/86	MacLeod	367	82		
	AD 4,739,325	4/19/88	MacLeod	340	854		
	AE 5,191,326	3/2/93	Montgomery	340	855.5		
	AF 5,331,318	7/19/94	Montgomery	340	855.4		
	AG						
	AH						
	AI						
FOREIGN PATENT DOCUMENTS							
	Document No.	Date	Country	Class	Subclass	Translation Yes No	
	AL						
	AM						
	AN						
	AO						
OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)							
	AR	Brown. Connolizo and Robertson, West Texas Oil Lifting Short Course and H.W. Winkler, "Misunderstood or overlooked Gas-Lift Design and Equipment Considerations," SPE, p. 351 (1994).					
	AT	Der Spek, Alex, and Aliz Thomas, "Neural-Net Identification of Flow Regime with Band Spectra of Flow-Generated Sound", SPE Reservoir Eva. & Eng.2 (6) December 1999, pgs. 489-498.					
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	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
FOREIGN PATENT DOCUMENTS							
		Document No.	Date	Country	Class	Subclass	Translation Yes No
	AM	2,677,134	4/12/92	FR	G01B	1/22	X
	AN						
	AO						
OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)							
	AR						
	AT						
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Examiner Initial		Document No.	Date	Patentee	Class	Subclass	Filing Date if Appropriate
	AA	525,663	9/4/1894	Mottinger, N. W.			
	AB	2,917,004	12/15/59	Davis et al.			
	AC	3,083,771	4/2/63	Chapman, J.B.			
	AD	3,247,904	4/26/66	Wakefield, Jr.			
	AE	3,427,989	2/18/69	Bostock et al.			
	AF	3,566,963	3/2/71	Blackledge	166	189	
	AG	3,602,305	8/31/71	Kisling, III	116	134	
	AH	3,732,728	5/15/73	Fitzpatrick	73	151	
	AI	3,814,545	6/4/74	Waters	417	90	
	AJ	3,837,618	9/24/74	Juhel	251	129	
	AK	3,980,826	9/14/76	Widmer	178	68	

FOREIGN PATENT DOCUMENTS						
	Document No.	Date	Country	Class	Subclass	Translation Yes No
	AL 028,296 A2 + Abst.	5/13/81	EP	E21B 47	12	
	AM 295,178	12/14/88	EP	E21B 47	12	X
	AN 339,825	11/2/89	EP	E21B 47	12	X
	AO 492,856 A2	7/1/92	EP	H04B1	62	X
	AP 681,090 A2	11/8/95	EP	E21B 47	18	X

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3672

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U.S. PATENT DOCUMENTS

Examiner Initial		Document No.	Date	Patentee	Class	Subclass	Filing Date if Appropriate
	AA	4,068,717	1/17/78	Needham	166	272	
	AB	4,295,795	10/20/81	Gass et al.	417	111	
	AC	4,393,485	7/12/83	Redden	367	25	
	AD	4,576,231	3/18/86	Dowling et al.	166	248	
	AE	4,578,675	3/25/86	MacLeod	340	855	
	AF	4,596,516	6/24/86	Scott et al.	417	58	
	AG	4,662,437	5/5/87	Renfro	166	65.1	
	AH	4,681,164	7/21/87	Stacks	166	304	
	AI	4,709,234	11/24/87	Forehand et al.	340	856	
	AJ	4,738,313	4/19/88	McKee	166	372	
	AK	4,886,114	12/12/89	Perkins et al.	166	65.1	

FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Subclass	Translation Yes No
	AL	721,053 A1	7/10/96	EP	E21B 47	12	X
	AM	919,696 A2	6/2/99	EP	E21B 47	12	X
	AN	930,518 A2	7/21/99	EP	G01V3	12	X
	AO	972,909 A2	1/19/00	EP	E21B 44	00	X
	AP	641,916 A2	3/8/95	EP	E21B 33	124	X

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Examiner Initial		Document No.	Date	Patentee	Class	Subclass	Filing Date if Appropriate
	AA	4,901,069	2/13/90	Veneruso	340	853	
	AB	4,972,704	11/27/90	Wellington et al.	73	155	
	AC	4,981,173	1/1/91	Perkins et al.	166	66.4	
	AD	5,001,675	3/19/91	Woodward	367	13	
	AE	5,008,664	4/16/91	More et al.	340	854	
	AF	5,134,285	7/28/92	Perry et al.	250	269	
	AG	5,160,925	11/3/92	Dailey et al.	340	853.3	
	AH	5,162,740	11/10/92	Jewell	324	347	
	AI	5,172,717	12/22/92	Boyle et al.	137	155	
	AJ	5,176,164	1/5/93	Boyle	137	155	
	AK	5,230,383	7/27/93	Pringle et al.	166	66.4	
	AL	5,246,860	9/21/93	Hutchins et al.	436	27	
	AM	5,251,328	10/5/93	Shaw	455	73	

FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Subclass	Translation Yes	No
	AP	697,500 A2	2/21/96	EP	E21B 49	00	X	
	AQ	732,053 A1+ Abst.	9/18/96	EP	A21C9	04		X
	AR	922,835 A3	6/16/99	EP	E21B 43	14	X	

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Examiner Initial		Document No.	Date	Patentee	Class	Subclass	Filing Date if Appropriate
	AA	5,257,663	11/2/93	Pringle et al.	166	66.4	
	AB	5,267,469	12/7/93	Espinoza	73	40.5	
	AC	5,278,758	1/11/94	Perry et al.	364	422	
	AD	5,353,627	10/11/94	Diatschenko et al	73	19.03	
	AE	5,358,035	10/25/94	Grudzinski	166	53	
	AF	5,367,694	11/22/94	Ueno	395	800	
	AG	5,394,141	2/28/95	Soulier	340	854.4	
	AH	5,425,425	6/20/95	Bankson et al.	166	377	
	AI	5,447,201	9/5/95	Mohn	166	375	
	AJ	5,458,200	10/17/95	Lagerlef et al.	166	372	
	AK	5,473,321	12/5/95	Goodman et al.	340	854.9	
	AL	5,531,270	7/2/96	Fletcher et al.	166	53	

FOREIGN PATENT DOCUMENTS

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	AO	999,341 A2	5/10/00	EP	E21B 33	124	X
	AP	2,677,134	12/10/92	FR	E21B 47	12	X
	AQ	2,325,949 A	12/9/98	GB	E21B 43	12	X

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	AA	5,561,245	10/1/96	Georgi et al.	73	152.02	
	AB	5,587,707	12/24/96	Dickie et al.	340	870.09	
	AC	5,592,438	1/7/97	Rorden et al.	367	83	
	AD	5,662,165	9/2/97	Tubel et al.	166	250.01	
	AE	5,723,781	3/3/98	Pruett et al.	73	152.18	
	AF	5,730,219	3/24/98	Tubel et al.	66	250.01	
	AG	5,745,047	4/28/98	Van Gisbergen et al.	340	853.1	
	AH	5,782,261	7/21/98	Becker et al.	137	155	
	AI	5,797,453	8/25/98	Hisaw	166	117.5	
	AJ	5,881,807	3/16/99	Boe et al.	166	100	
	AK	5,896,924	4/27/99	Carmody et al.	166	53	
	AL	5,934,371	8/10/99	Bussear et al.	166	53	
	AM	5,937,945	8/17/99	Bussear et al.	166	250.15	

FOREIGN PATENT DOCUMENTS							
		Document No.	Date	Country	Class	Subclass	Translation
							Yes No
	AU	2,338,253 A	12/15/99	GB	E21B 47	12	X
	AV	2,327,695 A	2/3/99	GB	E21B 43	12	X
	AW	01/ 20126 A2	3/22/01	WO	E21B 43	12	X
	AX	00/04275	1/27/00	WO	E21B 47	01	X

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	AA	5,941,307	8/24/99	Tubel	166	313	
	AB	5,955,666	9/21/99	Mullins	73	52.18	
	AC	5,959,499	9/28/99	Khan et al.	330	149	
	AD	5,960,883	10/5/99	Tubel et al.	166	313	
	AE	5,963,090	10/5/99	Fukuchi	330	149	
	AF	5,971,072	10/26/99	Huber et al.	166	297	
	AG	5,975,204	11/2/99	Tubel et al.	166	250.15	
	AH	6,012,015	1/4/00	Tubel	702	6	
	AI	6,012,016	1/4/00	Bilden et al.	702	12	
	AJ	6,070,608	6/6/00	Pringle	137	155	
	AK	6,123,148	9/26/00	Oneal	166	118	
	AL	6,148,915	11/21/00	Mullen et al.	166	278	
	AM	6,192,983 B1	2/27/01	Neuroth et al.	166	250.15	
	AN	6,208,586 B1	3/27/01	Rorden et al.	367	35	
	AO	6,484,800 B2	11/26/02	Carmody et al.	166	53	

FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Subclass	Translation Yes No
	AR	00/37770	6/29/00	WO	E21B 37	06	X
	AS	01/55555 A1	8/2/01	WO	E21B 47	12	X

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

EXAMINER	DATE CONSIDERED
AU	

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1. The attached cited information should not be construed as an admission that any of the above items are prior art to the subject invention.
2. This is not a representation that a search has been made.

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3672

REFERENCE DESIGNATION

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Examiner Initial		Document No.	Date	Patentee	Class	Subclass	Filing Date if Appropriate
	AA	5,396,232	3/7/95	Mathieu et al.	340	854.5	
	AB	6,334,486	1/1/02	Carmody et al.	166	53	
	AC						
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	AJ						
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FOREIGN PATENT DOCUMENTS

		Document No.	Date	Country	Class	Subclass	Translation Yes	No
	AL	80/00727	4/17/80	WO	E21B 47	12	X	
	AM	93/26115	12/23/93	WO	H04N 1	40	X	
	AN	96/00836	1/11/96	WO	E21B 47	12	X	
	AO	96/24747	8/15/96	WO	E21B 43	12	X	

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	AD						
	AE						
	AG						
	AK						

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		Document No.	Date	Country	Class	Subclass	Translation Yes No
	AO	97/16751	5/9/97	WO	GO1V 3	00	X
	AP	97/37103	10/9/97	WO	E21B 47	01	X
	AQ	98/20233	5/14/98	WO	E21B 43	40	X
	AR	99/57417	11/11/99	WO	E21B 41	00	X
	AS	99/60247	11/25/99	WO	E21B 43	12	X
	AT						

OTHER DOCUMENTS (INCLUDING AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.)

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